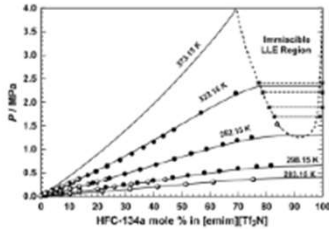


Step 1

Generate or Compile Data



Step 2

Select Thermodynamic Model

$$P = \frac{RT}{V-b} - \frac{a}{V^2 - ubV + wb^2}$$
$$a_m = \sum_i \sum_j y_i y_j \sqrt{a_i a_j} (1 - \kappa_{ij})$$
$$a_j = 0.421875 \frac{R^2 T_{c,j}^2}{P_{c,j}} \alpha_j$$
$$b_j = 0.125 \frac{RT_{c,j}}{P_{c,j}}$$
$$b_m \sum_{i=1}^N x_i = 1$$



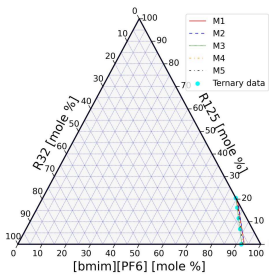
Step 3

Estimate Parameters



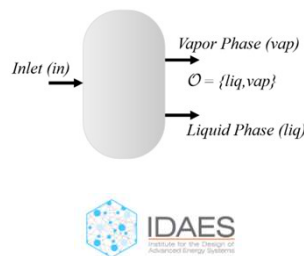
Step 4

Calculate Phase Equilibrium



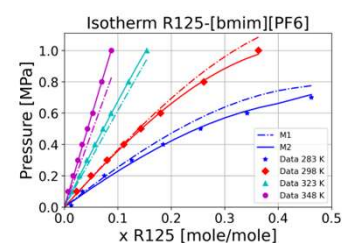
Step 5

Perform Process Calculations



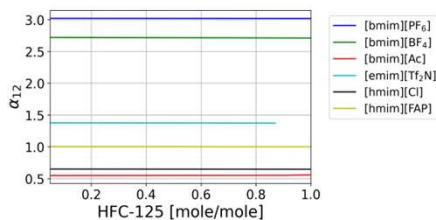
Step 6

Assess Quality of Fit



Step 7

Screen ILs via Relative Volatility



Step 8

Quantify Uncertainty & Inform Experiments

